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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23117 7590 05/14/2003

NIXON & VANDERHYE, PC  
1100 N GLEBE ROAD  
8TH FLOOR  
ARLINGTON, VA 22201-4714

EXAMINER

CHOWDHURY, TARIFUR RASHID

ART UNIT

CLASS-SUBCLASS

2871

349-061000

DATE MAILED: 05/14/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/856,657	05/24/2001	Yukihiro Sumida	1035-324	3157

TITLE OF INVENTION: LIGHTING ELEMENT FOR LIQUID CRYSTAL DISPLAY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$0	\$1300	08/14/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status.  
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE  
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Alexandria, Virginia 22313-1450  
Fax (703)746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

**CURRENT CORRESPONDENCE ADDRESS** (Note: Legibly mark-up with any corrections or use Block 1)

23117 7590 05/14/2003

**NIXON & VANDERHYE, PC**  
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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/856,657	05/24/2001	Yukihiro Sumida	1035-324	3157

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nonprovisional	NO	\$1300	\$0	\$1300	08/14/2003

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHOWDHURY, TARIFUR RASHID	2871	349-061000

**1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).**

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

**2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.**

1 \_\_\_\_\_  
2 \_\_\_\_\_  
3 \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

**PLEASE NOTE:** Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

**(A) NAME OF ASSIGNEE**

**(B) RESIDENCE: (CITY and STATE OR COUNTRY)**

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☐ corporation or other private group entity ☐ government

**4a. The following fee(s) are enclosed:**

- ☐ Issue Fee
- ☐ Publication Fee
- ☐ Advance Order - # of Copies \_\_\_\_\_

**4b. Payment of Fee(s):**

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

**NOTE:** The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.**

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23117	7590	05/14/2003	EXAMINER	
NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714 UNITED STATES			CHOWDHURY, TARIFUR RASHID	
			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 05/14/2003

## Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 05/14/2003

## Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: <http://www.uspto.gov/main/howtofees.htm>.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

**Notice of Allowability**

Application No.

09/856,657

Examiner

Tarifur R Chowdhury

Applicant(s)

SUMIDA ET AL.

Art Unit

2871

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 03/27/03.
2. ☒ The allowed claim(s) is/are 1,3-22 and 24-71.
3. ☒ The drawings filed on 24 May 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |                                                                                                        |                                                                                     |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)                                        | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____  |
| 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____               | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|                                                                                                        | 9 <input type="checkbox"/> Other                                                    |

<b>Interview Summary</b>	<b>Application No.</b> 09/856,657	<b>Applicant(s)</b> SUMIDA ET AL.	
	<b>Examiner</b> Tarifur R Chowdhury	<b>Art Unit</b> 2871	

All participants (applicant, applicant's representative, PTO personnel):

(1) Tarifur R Chowdhury. (3)\_\_\_\_\_.

(2) Mr. Joseph S. Presta. (4)\_\_\_\_\_.

Date of Interview: 12 May 2003.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 23, 63 and 66.

Identification of prior art discussed: none.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The examiner notified applicant's representative that claim 23 included in amendment filed on 03/27/03 was originally canceled and thus since the claim was already canceled it will be crossed out. Further, applicant's representative agreed to amend claims 63 and 66 by examiner's amendment to place the application in better form for allowance and thus expedite prosecution.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

10/C

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph S. Presta on 05/12/03.

The application has been amended as follows:

In claim 63, line 1, "4" has been changed to -61--.

In claim 66, line 1, "67" has been changed to -65--.

***Allowable Subject Matter***

2. Claims 1, 3-22 and 24-71 are allowed.
3. The following is an examiner's statement of reasons for allowance:
4. As to claims 1 and 61, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising various elements as claimed, more specifically a planar light guiding body in which a cyclic structure for converting light from the linear light guiding body into a planarly emitting state and emitting the converted light is formed, wherein light from the linear light guiding body reaches a peak value of luminance when outgoing in a first direction, the first direction being a direction on a date of a direction perpendicular to a cyclic direction of the cyclic structure with respect to a normal direction of a light outgoing surface of the linear light guiding body, and wherein a tilt is given to the cyclic direction of the cyclic structure with respect to a repeating direction of the pixels.
5. As to claim 21, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system having a light source unit comprising a planar light guiding body and a sheet converting means that converts light emitted from the light source unit into light in a linearly emitting state, the sheet-state converting means being arranged so that at least a part thereof opposes the light source unit while at least a part thereof opposes the light incident surface of the planar light guiding body, including all other recitations.
6. As to claim 28, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system having a planar light guiding body and a light source



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unit wherein the light source unit composed of an LED array wherein the LED array includes a first LED array provided on one of the light incident surfaces of the planar light guiding body and a second LED array provided on the other light incident surface of the planar light guiding body and the first and second LED arrays alternately emit light.

7. As to claim 31, the prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal display comprising various elements as claimed, more specifically a light source unit, a planar light guiding body, and reflecting liquid crystal display element wherein on a counter surface of the planar light guiding body opposing the light outgoing surface thereof, a cyclic structure composed of a propagating portion and a reflecting portion is repetitively formed and the cyclic structure is provided on the planar light guiding body so that a cyclic direction thereof has an angle  $\theta$  of not less than 10 degrees and not more than 80 degrees with respect to the repeating direction of the pixels.

8. As to claim 34, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting element comprising a prismatic linear light guiding body wherein notches that reflect the incident light are arrayed on a surface of the linear light guiding body opposing the light outgoing surface at constant pitches in the length direction, the number of the notches being  $I$  ( $I$  is an integer of not less than 2); and as to the  $I$  notches, an average of differences between widths of adjacent notches is greater than 0, the difference being defined as:

$$\text{DIFFERENCE} = (pw_{i+1} - pw_i)$$

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Wherein  $pw_i$  is a width of the  $i$ 'th notch from the light incident surface ( $i$  is an integer ranging from 1 to  $I$ ), including all other recitations.

As to claim 35, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting element comprising a prismatic linear light guiding body wherein notches that reflect the incident light are arrayed on a surface of the linear light guiding body opposing the light outgoing surface at constant pitches in the length direction, the number of the notches being  $I$  ( $I$  is an integer of not less than 2); and an average of tilts of the  $I$  notches is greater than 0, the tilt being defined as:

$$\text{TILT} = (d_{i+1} - d_i) / (x_{i+1} - x_i)$$

Wherein  $x_i$  and  $d_i$  are a distance from the light incident surface, and a depth, respectively, of the  $i$ 'th notch from the light incident surface ( $i$  is an integer ranging from 1 to  $I$ ), including all other recitations.

As to claim 41, the prior arts of record do anticipate or render obvious to one skilled in the art a lighting element comprising various elements as claimed, more specifically a plurality of notches having V-shape groove formed with two flat surfaces, wherein the flat surfaces of the notches are provided at not less than two different angles with respect to the light outgoing surface.

As to claim 64, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising various elements as claimed, more specifically a linear light guiding body is formed so that a thickness  $t_2$  of the light outgoing surface of the linear light guiding body is substantially equal to a thickness  $t_1$  of a light incident surface of the planar light guiding body, and an angle  $\theta_5$  formed

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between the normal direction of the light outgoing surface with a side end surface of the linear light guiding body satisfies:

$$0^{\circ} < \theta \leq 20^{\circ}$$

As to claim 65, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising various elements as claimed, more specifically a planar light guiding body in which a cyclic structure for converting light from the linear light guiding body into a planarly emitting state and emitting the converted light is formed, wherein light from the linear light guiding body reaches a peak value of luminance when outgoing in a first direction, the first direction being a direction being a direction on a date of a direction perpendicular to a cyclic direction of the cyclic structure with respect to a normal direction of a light outgoing surface of the linear light guiding body, wherein the linear light guiding body is tapered so that a cross section of the linear light guiding body taken along a plane perpendicular to the light outgoing surface thereof should be in a shape of trapezoid that widens from a light outgoing surface side toward a side opposing the light outgoing surface.

As to claim 67, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising a linear light guiding body and a planar light guiding body wherein light from the linear light guiding body reaches a peak value of luminance when outgoing in a first direction, the first direction being a direction being a direction on a date of a direction perpendicular to a cyclic direction of the cyclic structure with respect to a normal direction of a light outgoing surface of the linear light guiding body, wherein the following relationship is satisfied:

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$$0 \text{ mm} < (L2 - L1) \leq 10 \text{ mm}$$

where L1 representing a length of the light incident surface of the planar light guiding body, and L2 representing a length of the light outgoing surface of the linear light guiding body.

As to claims 69 and 70, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising a linear light guiding body and a planar light guiding body wherein light from the linear light guiding body reaches a peak value of luminance when outgoing in a first direction, the first direction being a direction being a direction on a date of a direction perpendicular to a cyclic direction of the cyclic structure with respect to a normal direction of a light outgoing surface of the linear light guiding body, wherein light outgoing from the linear light guiding body reaches substantially a peak value of luminance when outgoing in a direction at an angle  $\theta_1$  that satisfies :

$$\theta_1 = \sin^{-1} (n * \sin\theta) \text{ or } \theta_1 = -\sin^{-1} (n * \sin\theta)$$

where  $\theta$  represents an angle formed between the cyclic direction of the cyclic structure provided on the planar light guiding body and the repeating direction of the pixels and n represents a refractive index of the planar light guiding body.

As to claim 71, the prior arts of record do not anticipate or render obvious to one skilled in the art a lighting system comprising various elements as claimed, more specifically a linear light guiding body and a planar light guiding body wherein light from the linear light guiding body reaches a peak value of luminance when outgoing in a first direction, the first direction being a direction being a direction on a date of a direction

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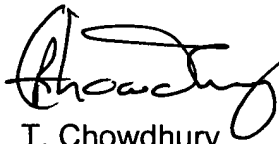
perpendicular to a cyclic direction of the cyclic structure with respect to a normal direction of a light outgoing surface of the linear light guiding body and a reflecting liquid crystal display element displaying an image by controlling, at each pixel, light outgoing from the light outgoing surface of the planar light guiding body.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (703) 308-4115. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William L Sikes can be reached on (703) 305-4842. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7005 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.



T. Chowdhury  
Primary Examiner  
Technology Center 2800